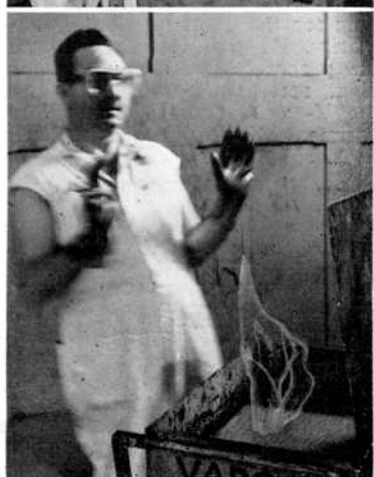
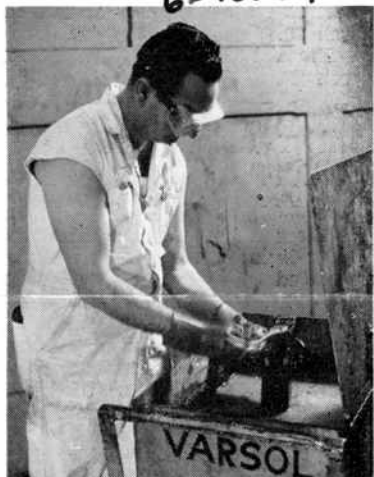




THERE ARE PLENTY OF SPARKS AND TINY BITS OF METAL flying through the air in the Y-12 General Machine Shop in such operations as are pictured above. At left, Machinist E. S. Henck is sharpening a tool on an emery wheel. He is wearing a face shield over safety glasses to protect his eyes. In the center picture Welder J. A. Packard is wearing a welding hood while performing his job duties. At right Packard raises the hood while scaling (removing burned particles) from around the weld and uses his safety glasses for protection against flying particles of metal.



MACHINE SHOP TOOLS are cleaned after many operations by washing them with Varsol, a powerful cleaning fluid. At top, Machinist T. V. Gable is cleaning a tool in a tank of Varsol, using a brush to apply the fluid. Notice he is wearing goggles to shield his eyes from any splash of fluid from the tank, also rubber gloves to protect his hands. The bottom picture is posed to show what would happen if Gable accidentally dropped an article being cleaned into the tank of Varsol. His gloves and goggles will protect him from a splash.

How Population Estimated In Between Census Years

The 1960 census is expected to show that the population of the United States is on its way to 180,000,000 persons. Between census years (every 10 years) changes in population are based on estimates of a birth every 90 seconds, the arrival of an immigrant every 90 seconds and an emigrant's departure every 20 minutes. The gain in 1959 was estimated at 3,398,000 men, women and children.



WEARING SAFETY GLASSES IS A "MUST" for all Y-12ers in all working areas of the General Machine Shop, whether they are engaged in tool sharpening, operating lathes and milling machines, welding or other operations or just "passing through." Here General Foreman T. H. Miller and Clerk Margaret Ann Ledford are both wearing their safety glasses while checking some records to ward off even the remote chance of being struck in the eye by a stray chip of metal or other object.

Y-12ers Are Urged To Rush Applications If UCNC Educational Assistance Is Sought

Y-12er Will Instruct Machinist Course In Oak Ridge Adult Education Program

With registration for Spring Quarter classes in the University of Tennessee Oak Ridge Graduate Program, the UT Evening School and the Oak Ridge Adult Education Program beginning next week, Y-12ers desiring to apply for Union Carbide Nuclear Company Educational Aid Program benefits are urged to get their bids in as soon as possible.

Information Available

The UCNC Educational Assistance Program is administered in the Y-12 Plant by the Benefit Plans Office, Bldg. 9704-2, plant phone 7382. Information on classes and courses offered by the University of Tennessee, the Adult Education Program and correspondence schools approved for enrollment by Y-12ers seeking the financial assistance of the UCNC program may be obtained from that office.

Y-12ers eligible for UCNC Educational Aid Program benefits are those who have completed six months of Company Service. The benefits are 50 per cent of the tuition, books and equipment required in courses taken. The courses selected by Y-12ers for the Program benefits must be such as to aid the employee on his present job or to obtain a better position with the Company.

The Oak Ridge Adult Education

Program has included a refresher and modernization course for machinists in its list of 38 courses to be offered in its Spring Quarter. This course will be instructed by O. K. Sergeant, a foreman in the General Machine Shop. He has been instructing machinist apprentice classes in Y-12 for several years.

The course will consist of mathematics, machine shop theory and advanced blueprint reading. It will require 310 classroom hours. The course was recommended for the Spring Quarter by many Oak Ridge machinists.

AEP classes will begin next Mon-
Continued on Page 4

IRE Group To Hear Talk On Isochronous Cyclotron

The Oak Ridge Chapter of the Professional Group on Nuclear Science of the Institute of Radio Engineers, will meet tomorrow night, Thursday, March 17. The meeting will be at 7:30 o'clock at the Ridge Recreation Hall. J. Royce Jones, project engineer in the Electronuclear Research Division of the Oak Ridge National Laboratory, will be guest speaker. His subject will be "The Oak Ridge Isochronous Cyclotron."

'Eye Safety Roulette' Unpopular As Y-12ers Are Alert To Hazards

Proper And Widespread Use Of Protective Equipment Keeps Injuries Down In Plant

"Eye Safety Roulette" is a gambling game that finds no favor among safety-minded Y-12ers. According to the magazine, Safety Maintenance, "Eye Safety Roulette" is a con game—but still is "played" by thousands of industrial plant employees every working day. About 1,000 such employees lose in the game, sustaining disabling eye injuries every day industry turns a wheel.

Guess Who Gets Hurt

The ground rules of "Eye Safety Roulette" merely require someone to guess which employee will sustain an eye injury during a working day. Safety Maintenance points out that 90 per cent of the disabling eye injuries are needless and could have been prevented by use of basic safety eye-wear such as safety glasses, face shields, welding hoods and goggles. The prevention—of course—depends on the safety equipment being worn over the eyes rather than on the forehead, around the neck or dangling from a pocket.

Safety Maintenance declares "only a madman would resort to the game of Russian roulette in which he presses a revolver to his temple and attempt to guess which chamber of the weapon will or will not contain a fatal bullet. Less extreme but more widespread is another and equally as treacherous form of roulette in which participants are permitted to gamble their eyesight and in which the loser pays the heavy penalty of a lost eye."

Shoppers Aware Of Hazards

A prime location for playing "Eye Safety Roulette" would be the Y-12 General Machine Shop—but the Shoppers are having no part of the gamble. Not only in the Machine Shop, but elsewhere in the Y-12 Plant where eye safety hazards exist there is a distinct consciousness of the gravity of eye injuries and an earnest desire to avoid them.

This realization of the gravity of eye injuries and desire for avoidance is wholeheartedly endorsed by the Company—as is evidenced by the issuance of various types of safety glasses, face shields, welding hoods and goggles. Each item is issued with but one objective—the protection of the eyesight of the employee who wears it. The wide variety of this equipment is to provide protection in many different types of work where hazards to eyesight might exist.

None Disabled In 1959

During the entire year of 1959 there was not a single eye disabling injury reported in the Y-12 Plant. In contrast to this record, in 1958 there were 55,000 disabling eye injuries sustained in industrial plants throughout the country.

The Y-12 eye injuries in 1959
Continued on Page 4

26th Safety Period Reaches 3,030,000

The Y-12 Plant passed the second plateau of the safety drive without a disabling injury last Sunday night when the present accident-free period reached 3,030,000 man-hours of operations without a lost time accident. This is the 26th Union Carbide Corporation safety award period in which the Y-12 Plant has exceeded 1,500,000 hours of plant operation without a disabling injury. The last lost-time accident occurred on December 10, 1959.

The goal now? An indefinite continuance of the fine accident-free record—not only for the statistical record, but from the standpoint of personal safety, freedom from pain and inconvenience and cost of injuries. The 5,000,000-hour mark is the next immediate objective.

So, let's keep those green lights of safety flashing from all portals every morning so that everyone will know another fine day has passed without someone being hurt.

Quality Control Meet Will Open Thursday

Two-Day Session Set For UT In Knoxville

"Quality Control in Action" is the theme of a two-day clinic to be held Thursday and Friday of this week, March 17 and 18, at the University of Tennessee, Knoxville. The clinic is sponsored by the Northeast Tennessee and Tennessee Chapters of the American Society for Quality Control and the university. Union Carbide Nuclear Company employees interested in the clinic are invited to attend.

A workshop on "Importance of Quality Control to Management" will open the program at 1:30 p.m. Thursday. Leon Bass, quality manager of the General Electric Co. plant at Cincinnati, Ohio, will conduct the session. The objective of the workshop is to acquaint management with the advantage of quality control in production and cost reduction.

The Friday program will be an all-day affair, beginning at 8:30 a.m. The first talk will be on "Training," by Dr. Leroy Folks, Texas Instrument Corp. "Sampling" will be discussed by Prof. Paul Hassell, University of Alabama. B. Berger, of Western Electric Co., will speak on "Reliability." Other subjects on the Friday program will be "Planning of Experiments" by Dr. Donald Gardiner, Oak Ridge National Laboratory; "Inspection" by Joseph Movshin, a consultant from St. Louis, Mo., and "Process Control" by James Mitchell, Tennessee Eastman Corp., Kingsport, Tenn.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
94 Days Or
3,030,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through March 13
Phone 7755
For Daily Report
On Accident-Free Hours



THE APOKREOS (MARDI GRAS) FESTIVITIES OF THE GREEK CIRCLE of the Oak Ridge Cosmopolitan Club was colorful and entertaining, as the above pictures show. The group at left is dancing the Greek Hasapiko, the "Butcher's Dance." In the rear are, from left, Milton Blander, ORNL employee in the Y-12 Plant Area and leader of the dance program; Mrs. J. M. Turley, wife of a Y-12er in Development Operations; Kay Sideris, Engineering Division; Mrs. Carolyn Dunn, Mrs. W. E. Warren, Jr., and Warren, Enriched Uranium Recovery;

Alice Romos, of Chile; Martha Garrard, Oak Ridge National Laboratory; Marge Hurst and Ann Hirvonen, from Finland. The youngsters in front are Greg Pappas, whose father is in Development Operations; Handan Muderrisoglu, a cute little lady from Turkey; Billy Pappas, Tim Turley, Lynn Asmanes and Tina Pappas. The center picture is of a Yugoslavian folk dance, Milanovo Kolo. At right is a group of Apokreos participants connected with Y-12 and their guests. In the back, from left, are Dr. W. F. Gauster, ORNL at Y-12; Mrs.

Gauster; Kay Sideris; Ernestine Elam, Development Operations; Mrs. Rudy Erickson, J. M. Turley, Mary Cusman, Technical Division; George R. Jasny, Engineering Division; Mrs. Jasny and W. E. Warren, Jr. In the middle row are Tina Pappas, Mrs. Tom Pappas, Mrs. Warren, Mrs. Turley and Alice Romos. In front are Greg Pappas, Billy Pappas and Tim Turley. The program was presented Friday night, February 26, at the Oak Terrace ballroom and was well attended.

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
Division Of
UNION CARBIDE CORPORATION

GEORGE W. DOBBS Editor

OFFICE

Post Office Box Y
Oak Ridge, Tenn.

Bldg. 9704-2 Room 134
Telephones 7100-7109

'Hotel Paradiso' Playhouse Offering Set Two Week Ends

A hilarious slapstick comedy, "Hotel Paradiso," will be the next offering of the Oak Ridge Community Playhouse on this and next week end. Performance dates for the farce will be Friday and Saturday, March 18 and 19, and Thursday, Friday and Saturday, March 24, 25 and 26. The production will be staged at the Playhouse Theater, Jackson Square, with curtain time at 8:20 each night.

"Hotel Paradiso" is an old-fashioned farce in a modern setting. It concerns antics of an old man from the country and his four daughters who live at the hotel, described as a "flea bag." Other characters include assorted persons, mostly of shady character, who are guests at the hotel and action includes ghost chasers and a man caught in a chimney while fleeing a police raid.

Lou Skeel, of the Y-12 Alpha Four Department and who has performed in several playhouse productions, is in the cast of "Hotel Paradiso."

Metals Society To Present Four Educational Lectures

A series of four educational lectures on "An Introduction to Dislocations" will be presented by the Oak Ridge Chapter of the American Society of Metals. The lecture series will open on Wednesday night, March 23 and continue on successive Wednesdays, March 30, April 6 and 13. The lectures will be presented at 8 p.m. each night at the Oak Ridge Institute of Nuclear Studies.

The opening lecture on next Wednesday night, March 23, will be by Dr. W. O. Harms, University of Tennessee, whose subject will be "Basic Concepts." Subsequent talks are to be given by Dr. C. J. McHargue, Oak Ridge National Laboratory, "Interactions"; C. R. Kennedy, ORNL, "Applications"; and Dr. R. E. Pawel, ORNL, "Observations."

Engineers, scientists, teachers and students are invited to attend the series.

Have you heard about the workman who couldn't go back to his job even after his broken leg had healed? Compensation set in.



Don't forget to wear something green — real Kelly green — when coming to toil tomorrow, Thursday, March 12.

Why? Gosh, Erin Go Bragh and begorra. It is St. Patrick's Day—in the morning and all day long and the day for all the sons of Old Saint Paddy to howl, long and loud. One and all should doff their hats to the Good Sons of Old Erin—the O'Clocks (preferably Mr. Four Thirty), O'Susano (he's Charley, of ORNL), the O'Briens, Murrays, the Pluhars (how did they get in here?) and others with ties to the Ould Sod.

So, waltzing to the theme song of "Who Dunked The Overalls In Mrs. Murphy's Chowder?" the Colyum Conductor—he claims to have some Scotch in him—will rap out the happenings around the jernt through last week—

INDUSTRIAL RELATIONS

"My po' li'l ol' fingers is friz to this dang typewriter," moans Liz Campbell, from the ranks of the Boys in Blue and Gray of the Fire and Guard Department, as she issued her weekly communique last Wednesday . . . She reports that Guard R. L. Byrd and family are vacationing with relatives in Bryson City, N.C., and believes they will have to use skis to get back . . . Sympathy is extended Fireman H. L. Miller, whose father died recently . . . Guard J. V. Ledbetter is welcomed back after an illness . . . Guard H. H. Neal is vacationing at home . . . Get well wishes go to Lieut. J. C. Hastings and Guard A. E. Harvey.

MECHANICAL OPERATIONS

This alert and happy youngster is Bobby Barker, Jr., son of Robert B. Barker, Sr., Sunflower Shop, with the very Proud Grandpop being W. J. Barker, Special Projects. Young Bobby is eight months old and as frisky as a colt.

Production Assay sends get well wishes to

L. E. Kinkaid, ill at University Hospital, Knoxville . . . C. R. Settle is vacationing and has ideas about attending the state high school basketball tournament in Nashville this week.

The Colyum got a couple of contributions last week from the Beta Four Heavy Machine Shop and the

TW Shops — the dog sled broke down somewhere along the line—so the information therein will be combined . . . Newcomers welcomed to the Beta Four crew who received "Howdy, Pal" greetings last week were J. T. Ramey, F. J. Hall, C. W. Walker, E. D. Cochenour, T. E. Deal, W. H. Guppton, E. C. Boyd, H. H. Clark, E. C. Alred and T. O. McDermott . . . Congratulations to J. D. Culberson, who became a Proud Pop when a son was born February 24, being named Paul Christopher Culberson . . . Likewise to J. V. McCoy, who joined the PP Club March 5 on arrival of Kenny Edward McCoy, weighing seven and one-half pounds. Mother and son are doing well and Pop believes he will live . . . Get well wishes go to L. H. Clowers and L. M. Hayes and also to J. C. Guinn, mentioned in an earlier sick report . . . W. K. Collins took a recent vacation to rest up at home but was sadly disillusioned when his wife put him to work around the house . . . Darryl Bowen had a fine week-end visit with relatives in Alabama recently.

Among the sick folks in the TW Shops to whom rapid recovery wishes are dispatched are L. K. Phillips, G. Neal, S. Holloway, P. A. Fritts, M. Jennings, L. H. Russell and J. B. Gooch . . . J. K. Johnston plans to do some plain and fancy loafing at home during his vacation. . . . Another stay-at-homer is C. W. Nelson, who plans to do some work on his church . . . W. L. Gaston has been welcomed back after being ill for three weeks.

MAINTENANCE

Apparently taking a dim view of proceedings in this world of turmoil and confusion at the tender age of just a few hours is Susan Lee Hauther — she's the daughter of R. C. Hauther, Electrical Maint.—who put in her appearance February 27 at St. Mary's Hospital, Knoxville, weighing



Susan Lee

five pounds, 14½ ounces—so congratulations to the latest member of the department's Proud Pop Club. Incidentally, Pop Hauther took a week of vacation to get acquainted with the new daughter in the family . . . Get well wishes are rushed to J. W. Rule, R. E. Wallace, A. L. Prestwood, W. J. Wanamaker, J. B. Tindell, H. R. Loy and W. L. Johnson—the department hopes nothing too much is wrong with them that a 50-degree hike in the temperature won't cure.

Research Services extends sympathy to E. D. Hill, whose father-in-law died recently . . . Also to H. E. Moore, whose mother succumbed a few days ago . . . Get well wishes go to the daughter of T. A. Scarbrough—she's hospitalized . . . E. B. Galloway attended a bowling tournament in Memphis while vaca-

Apokreos Program Attended, Enjoyed By Large Crowd

The Apokreos (Mardi Gras) pre-Lenten festivities staged by the Greek Circle of the Cosmopolitan Club of Oak Ridge February 26 at the Oak Terrace drew a large participation and guest list and provided a lot of entertainment for all involved.

Masqueraders attending the affair represented more than a dozen different countries. The main attraction was group participation in several international folk dances. Among them were Greek, Israeli, Yugoslavian and a French square dance. The vigorous dances were led by Milton Blander, an Oak Ridge National Laboratory employee in the Y-12 Plant Area. Besides the dancing there was singing of French songs and awarding of prizes for the best costumes.

Several Y-12ers are members of the Greek Circle and took part in the program.

tioning and then he and his missus planned to go down to New Orleans.

FINANCE AND MATERIALS

Property is mighty glad to hear that Corum Scott is out of the hospital after quite a siege and is well on the road to recovery at his home in Cumberland Estates.

No, good people of F&M Administration, that wasn't Sandy the Snowman dripping all over the place in last Thursday's thaw—it was Snowdrift (Grandflappy) Eddie Pluhar — just doing what comes nachurally, and dripping.

CHEMICAL OPERATIONS

Beta Two extends get well wishes to Ed Bostic in a LaFollette hospital with dog trouble—he has a foot infection . . . Laura Hawkins is the Proud Grandma of a Leap Year baby, little Frederica Hawkins being born Monday, February 29, reported doing nicely.

TECHNICAL

Radiation Safety is sorry to lose Pat Lee. She and her small daughter, Becky, are joining her husband, Norman, to live in Harrisburg, Pa. Pat also is expecting the arrival of the big boid Massuh Stork . . . The departmental welcome was warmly extended newcomer Lena Ruth Bailey last week . . . Art Stewart and Harold Henry are the early birds who are going to catch the worms this year because they both are taking their vacations next week. Art is staying close to home but Henry hasn't revealed his plans. . . . B. F. Rutherford didn't catch any worms, but he did catch a nice sun tan from his two weeks stay in Key West, Fla., at the expense of Uncle Sam—military training.

SHIFT SUPERINTENDENTS AND UTILITIES

Utilities welcomes C. A. Cox back after his recent illness . . . The E. W. Mahans visited Mrs. M's parents in Raccum, (where's that?) Tenn., over the past week end . . . The N. M. Standridges visited her brother in Vanderbilt Hospital, Nashville, recently . . . E. F. Sosby

Continued on Page 4

Y-12ers With 15, 10 Years Company Service

Congratulations to the following Y-12 employees who will complete 15 and 10 years of Company Service within the next few days.

15 YEARS

Raymond E. Wilkerson, Research Services, March 17.

Kenneth E. Caughron, Utilities, March 21.

Grover C. Lay, Tool Grinding, March 22.

10 YEARS

Earl E. Goode, Cashier & Travel, March 20.

William J. B. Hayes, TW Shop, March 22.

Karns P-T.A. To Hear Talk On Proposed Melton Dam

Y-12ers and other Carbide employees living in the Karns vicinity are urged to attend a meeting of the P-T.A. of that community tomorrow night, Thursday, March 17, to hear a talk on the proposed new Melton Hill Dam on the Clinch River near Oak Ridge. The meeting will be at 7:30 o'clock at the Karns High School.

The talk will be made by Don Mattern, chief of production planning for the Tennessee Valley Authority. He will discuss plans for the proposed new dam and steam plant, according to Harold Babb, of the Y-12 Production Control Department and president of the Karns P-T.A.

Ceramic Society To Hold Spring Meeting In Florence

The Spring Meeting of the Southeastern Section of the American Ceramic Society is scheduled for Friday and Saturday, March 25 and 26, at Florence, Ala. Meetings will be at the Holiday Inn, Florence, and the program includes two plant trips, a social hour and a banquet.

The Friday activities will begin with registration, followed by trips to the Stylon Southern Corporation and the metal casting plant of the Ford Motor Co. The social hour will be at 6 p.m. and the banquet at 7 p.m. The Saturday technical program includes three addresses.

Atlanta Firm Will Build New Facility For ORNL

A contract for the construction of a new Metals and Ceramics Facility for the Metallurgy Division at Oak Ridge National Laboratory has been awarded by the Atomic Energy Commission to the Henry C. Beck Co., Atlanta, Ga. Beck's bid of \$4,871,000 provides for the construction of a laboratory building addition to the Laboratory's Main Research and Administration Building, No. 4500, and a separate industrial-type structure, to be located west of this addition. The entire project, including architect-engineer services and site preparation, is estimated to cost \$6,500,000.



THESE TWO CAPABLE BOWLING TEAMS OF THE C LEAGUE have been rolling well this season. At left are the Alley Cats, squad members from left being J. Compton, Capt. D. G. Butters, Don Pitt, Charley Spradlin and Otis Rackley. The Engineers



are at right, bowlers being Fred Stout, Al Bittner, D. H. Speas, Capt. Lynn Cabe and M. L. Taylor. Both teams won March 7 engagements, with the Engineers climbing into second place in the league standings.

Reactors Advance To Tourney Finals

**Ramblers Drop 54-41
Tilt; Beta Four Wins**

The Reactors team from Y-12 in the Carbide Basketball League reached the finals of the league tournament last Thursday night by handing their fellow Y-12ers, the Ramblers, a 54 to 41 licking. Meanwhile, the Y-12 Beta Fours won a semi-final spot in the tournament by winning a suspended game from the Oak Ridge Gaseous Diffusion Plant See Reds by 41 to 38. Prior to losing to the Reactors the Ramblers had eliminated another Y-12 quintet, the Atoms, by 44 to 23.

The ORGDP Lab Demons, winners of the regular season championship, did not play last week. However, they were slated to meet the Y-12 Beta Fours on Monday night of this week. The winner of this tilt will play the Reactors for the tournament title.

Win On Free Throws

The Reactors still were irked over losing the regular season crown to the Lab Demons, who through last week were undefeated in league and tournament play. As a result, the Reactors turned the heat on the plucky Ramblers and led all the way to gain the victory. Capt. Lew Fitzgerald led the way for the winners with 22 points, with Forrester getting 12. This was another game decided at the free throw line as the Reactors canned 28 charity tosses to nine for the Ramblers. Roark was high man for the Ramblers with eight points.

The Beta Fours and the See Reds had played one half of their game the previous week, but were forced to suspend activities when a power failure extinguished all the lights at the high school gymnasium. So they resumed operations from the half-time point, with the Beta Four five ahead by 15-14. The ORGDP outfit balasted to a 31-24 advantage at the third rest stop, but the game Beta Four team rallied strongly in the last quarter for a 17-7 margin and the triumph. Vaughan led the Beta Fours with 11 points. Pugh bagged nine and Brady seven. Cornett and Davis each got 10 for the losers.

Ramblers Romp On Atoms

The Ramblers, the Cinderella team of the tournament as they had won only two games all season previously, really romped over the Atoms from the beginning. Cothran paced the Ramblers with 18 points and Bill Grubb had 10 for the Atoms. Davis, of the Atoms, even got into the scoring column for the Ramblers when he tossed the ball in the wrong basket to count a field goal for the winners.

Tournament game scores by periods follow:

Ramblers	11	22	34	41
Reactors	13	29	42	54
Beta Four	8	15	24	41
See Reds	5	14	31	38
Ramblers	14	22	30	44
Atoms	8	14	16	23

SYRIA DISCOVERS IRON

A news story from Damascus, Syria, reports that iron ore has been discovered in the Ragon region of that country.



Most Leading Y-12 Bowlers Will Vie In All-Carbide Tourney April 2-3, 9-10

**Len Hart, Nell Jago, However, Will Not Enter;
Deadline For Entering Set Tomorrow, March 17**

With the deadline for entering the All-Carbide Bowling Tournament set for 4 o'clock tomorrow afternoon, March 17, most of the high scoring Y-12 maple maulers in the recently concluded Y-12 tournament are expected to file for the UCNC event. However, neither of the 1960 Y-12 champions—Len Hart nor Nell Jago, will be on the firing line, nor will the 1959 women's All-Carbide champion, Mavis Koons. Hart also is the 1958 All-Carbide men's champion.

Several Crack Bowlers Affected

A new rule adopted for the All-Carbide competition this year eliminates Hart. The rule requires all contestants to be not only Carbide employees but to have bowled a minimum of 12 games in regular sanctioned plant league play. This rule also affects several other crack bowlers at Oak Ridge National Laboratory and Oak Ridge Gaseous Diffusion Plant who have not been bowling in plant leagues this season. However, the rule in general appears to have the whole-hearted backing of a majority of Carbide bowlers in Oak Ridge.

Nell Jago has decided not to compete in the All-Carbide because of health reasons.

Roll Once in One Event.

Another new regulation for the 1960 All-Carbide tournament allows entrants to bowl only once in any one event. The rule also requires players desiring to roll in either singles or doubles to enter both events.

Complete tournament rules are printed on the entry blanks, which have been distributed to all Y-12 bowling league secretaries. The entry blanks also may be obtained at the Y-12 Recreation Office, Room 132-A, Bldg. 9704-2.

The tournament will be staged on the week ends of April 2-3 and 9-10 at the Ark Bowling Lanes. All team events will be staged on April 2-3 and singles and doubles on April 9-10.

Florida Fishing Trip Is Planned

A group of enthusiastic Y-12 deep sea fishermen are organizing a three-day week-end trip to Daytona Beach, Fla., to participate in the sport. The proposed journey will be on May 6-9 with the party leaving Knoxville on Friday, May 6, at 9 a.m. by bus. After fishing on a chartered boat Saturday and Sunday, May 7 and 8, the group will

MIXED LEAGUE BOWLING CANCELLED BY WEATHER

Equipment for Y-12 men and women bowlers in the Mixed League did not include snowshoes last Wednesday night, March 9. Therefore the weekly alley activities of the league were cancelled. Action will be resumed tonight, Wednesday, March 16, weather—of course—permitting.

Y-12 Rifle Team Wins Loop Trophy For Second Year

With the Y-12 team already having clinched first place for the second straight year, the Oak Ridge Sportsmen's Association Winter Rifle League will stage its last round of firing tonight, Wednesday, March 16. The Y-12 team will again be presented the revolving trophy awarded the league winner each year, captains will be elected for next year and a trophy awarded the high scorers for the season.

The Y-12 team membership included Capt. Dave Dewalt, Otey Cottrell, Ed Brady, Al Blay, Jack Huff, Harvey Coppock, Phil Vogelgesang.

By winning the revolving trophy least season and this, the Y-12ers ended the dynasty of the Oak Ridge National Laboratory gunmen. The ORNLites had captured the trophy for four consecutive years previously, beginning in 1954.

return to Knoxville on Monday, May 9.

Cost of the jaunt will be \$35. That will include bus transportation, motel accommodations and fishing fee. Meals are not included.

Any Y-12ers interested in the trip are urged to communicate with the Y-12 Recreation Department, Room 132-A, plant phone 7109.

Avoid "Security Pitfalls."

Headline Writer Just One Year Late — Sunflowers, Not Sportsmen, Top Team

The sports reporter for The Bulletin was just one year late in last week's edition—in writing the headline for the 1960 Y-12 Plant Bowling Tournament story.

That headline proclaimed for one and all to read that the Sportsmen team, of the Classic League, was "tops in team competition." Of course, it was the Sunflowers, of the C League, that took top team scratch scoring honors in the tournament with 2683, with the Rebels, of the Classic League, second with 2667. Perhaps the headline writer had in mind that the Sportsmen had won both the scratch and handicap scoring crowns in the 1959 tournament with marks of 2620 and 3025 by using the name of that team instead of the bona fide winners, the Sunflowers.

So—our apologies to the gallant Sunflowers, who not only won the 1960 team crown, but exceeded the previous year's winning score in doing so.

Champ Sunflowers Hold Slim Lead In C Pin League

The Sunflowers, C League leaders and team champions in the 1960 Y-12 Plant Bowling Tournament, remained on top in their loop March 7 with a three-point win over the Hookers. However, the second-place Engineers gained one point in the standings by whitewashing Murderer's Row for four to climb within one-half point of the top spot. The Par Busters took over third place with a similar win over the SPs. The Big Five dropped back to a tie for fourth by dropping three to the Alley Cats. Even splits were posted by the IBMs-Chillers and D Shift-Knot Heads.

G. Bailey, IBMs, took single game scoring honors with a 245 scratch and 275 handicap. The top scratch series was 586 by Keen, Par Busters; while the best handicap series was a 680 by Butters, Alley Cats.

League standing follows:

Team	W	L
Sunflowers	29	11
Engineers	28½	11½
Par Busters	24	16
Big Five	23	17
Alley Cats	23	17
IBMs	19	21
Chillers	18	22
SPs	17½	22½
Hookers	17	23
D Shift	16	24
Murderer's Row	15	25
Knot Heads	10	30

Hunters Cop Two, Eagles Break Even

The Y-12 Hunters of the Carbide Volleyball League added five points to the win side of the ledger last week and also dropped their first scrap of the season. The Y-12ers took two out of three games from the Oak Ridge Gaseous Diffusion Plant Spikers in a hard-fought scrap by 16-14, 15-13, 10-15. The Hunters also got a forfeit win from the ORGDP Process Engineers.

The Y-12 Eagles also helped themselves to three points via the forfeit route from the disbanded ORGDP MIT team. However, the Eagles had only an even break for the week as the Oak Ridge National Laboratory Set Ups clipped their wings by 15-7, 15-12, 15-6.

League standing follows:

Team	W	L
ORGDP A Shift	12	0
ORNL Set Ups	12	0
Y-12 Hunters	11	1
ORGDP Process Engineers	8	4
Y-12 Eagles	6	6
ORGDP Spikers	8	10
Y-12 C Shift	0	15
ORGDP MIT	0	18

Lenoir, Knoxville Golf Meets Set

Two more organizational meetings for Y-12 golfers are slated for next week. Officers will be elected and plans for 1960 operations will be made by players in the Lenoir City area and in Knoxville.

The Lenoir City group will hold its meeting at 1 o'clock next Tuesday afternoon, March 22. The session will be in Conference Room No. 221, second floor, Bldg. 9704-2. Then at the same hour and place Thursday afternoon, March 24, golfers playing at the Whittle Springs course in Knoxville will gather.

Ed Gambill Paces Wolves To Victory For Classic Lead

The Wolves held onto first place in the Classic League of Y-12 bowlers last Thursday night the hard way—by repelling the second-place Bumpers for three points. The loss cost the Bumpers the runner-up spot as the Playboys plastered the All Stars for a four-point whitewash to advance in the standings. The Swingsters swung several steps up the ladder by blanking the Screwballs and the Eight Balls escaped the cellar spot with a similar win over the Rebels. In other engagements the Cubs clawed the Tigers for three and the Sportsmen stung the Wasps by the same margin. The Ripper-Markers and Smelters-Has Beens rolled to two-point deadlocks.

The Wolves can give a lot of the credit to Ed Gambill for defending their top spot on the ladder. He set high seasonal game scores of 266 scratch and 282 handicap and a 627 scratch series. Vanderpool, Bumpers, had a 678 handicap series for tops. In team scoring the Wolves' 1123 handicap game was best of the night as was the 3091 handicap series by the Playboys.

League standing follows:

Team	W	L
Wolves	22	7
Playboys	25	15
Bumpers	24	16
Swingsters	23½	16½
Rippers	22	18
Markers	21	19
Screwballs	20	20
Cubs	18½	21½
Rebels	18	22
Smelters	18	22
Tigers	18	22
Sportsmen	18	22
Wasps	16	24
Eight Balls	16	24
Has Beens	16	24
All Stars	15	25

Sharpshooters Win Two Pistol Clashes

In Y-12 Pistol League matches on March 8 the Sharpshooters boosted their loop lead by two points with scratch and handicap decisions over the Experts. Paul Williams, Sharpshooters, fired a 262 scratch over Tommy Swindell's 232 and K. E. Smith topped Swindell in handicap firing by 287.204 to 282.687.

The Masters mopped up with the Marksmen for two points as Dave Alford topped T. J. Bush in both scratch and handicap scoring. Alford popped the targets for 274 and 292.213 while Bush posted 249 and 285.582.

League standing follows:

Team	W	L
Sharpshooters	21	5
Masters	13	13
Experts	11	15
Marksmen	7	19

Pin Tournament Checks Are Ready

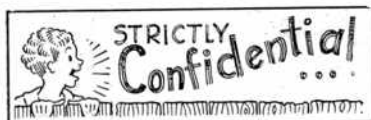
Prize money checks for cash winners in the recent Y-12 Plant Bowling Tournament have been prepared and are being distributed to the high scorers by Bob Cantrell, Y-12 Recreation Department Supervisor. The winners have been notified and are asked to call at the Recreation Office, Room 132-A, Bldg. 9704-2, to pick up their checks as soon as possible.

Bulk Rate
U. S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71

**UNION CARBIDE
NUCLEAR COMPANY**
Division of
Union Carbide Corporation
Post Office Box Y
Oak Ridge, Tenn.

RETURN POSTAGE GUARANTEED

POSTMASTER: DO NOT FORWARD. IF ADDRESSEE HAS MOVED,
RETURN TO SENDER IMMEDIATELY.



Continued from Page 2
spent his vacation in Florida fishing and visiting a daughter.

The SS Group will bid a fond farewell this Friday, March 18, to Mrs. Ada Hopkins, who is leaving after several years of Company Service, to make the march down the Road to Maternity. Best wishes go along with her and hubby, Clyde, of Production Control in Mechanical Operations. Ada has been a fine and conscientious correspondent for the Colyum for 10, these many years, and the CC wants to send his best wishes along to the family—and also announce that by unanimous consent the post of agent for the Colyum will go to one Jean Jones, who has capably shared the reporting chores with Ada from time to time.

ENGINEERING

Mechanical Engineering extended a hand to welcome into the department Burl David Chambers. The Chambers live in the Rambling Acres section of Knoxville. Romeo Greene is chief cook and bottle washer now that Mrs. Greene is away in Detroit for a couple of weeks visit. M. B. Hilton says this groundhog weather has caused him to wear out a set of tire chains—not from road wear, but from putting them on and taking them off.

Don't look now, folks, but SPRING is scheduled to arrive next Sunday, March 20. Don't scare the young lady away—she's overdue.

Beavers Blast Way To Bush Loop Top As Gators Blanked

The Beavers blasted their way to first place in the Bush League of Y-12 bowlers March 7 by nudging the Nine Pins for three points. The Alley Gators, previous leaders, succumbed to a four-point whitewash beating at the hands of the Hot Rodders, to tumble off the perch. The Lucky Five climbed to third place, just behind the Gators, by blanking the Rollniks for four and a similar win was posted by the Balls O' Fire over the Alley Cats. The Inspectors and Hi Balls rolled to a two-point each deadlock.

J. L. Hart, Hot Rodders, had most individual scoring honors with a 234 scratch game, boosted to 275 with handicap, and a 677 handicap series. Charley Gillihan, Balls O' Fire, topped the scratch series scorers with 582. In team tallying the Balls O' Fire registered an 869 scratch game, 2524 scratch and 2916 handicap series. The Lucky Five got into the act with a 1006 handicap game.

League standing follows:

Team	W	L
Beavers	19	9
Alley Gators	17	11
Lucky Five	16½	11½
Hi Balls	16	12
Balls O' Fire	15	13
Nine Pins	14	14
Hot Rodders	14	14
Inspectors	12½	15½
Alley Cats	11	17
Rollniks	5	23

PUSH — and if you can't push, PULL. If you can't pull, get the heck out of the way.



Dr. J. C. Brantley

Brantly Named UCNC Research Director

Will Direct Activities At Tuxedo, N.Y., Center

J. Calvin Brantley has been appointed director of research for Union Carbide Nuclear Company, division of Union Carbide Corporation.

He will direct the research activities at the Research Center of Union Carbide Nuclear Company located near Tuxedo, N. Y. Dr. Brantley has been assistant director of research for the Company since mid-1959. Prior to that he was assistant manager of research Linde Company, another Union Carbide division, since 1956. He joined Linde in 1949 as a research chemist.

Dr. Brantley received a B.A. degree in 1942 from Northeast Missouri State Teachers' College and a Ph.D. degree in inorganic and physical chemistry from the University of Illinois in 1949. He served with the Chemical Warfare Service of the United States Army from 1943 to 1945. He is a member of the American Chemical Society, Sigma Xi, and Phi Lambda Upsilon.

Y-12ers Should Rush Educational Aid Bids

Continued from Page 1

day, March 21, at the Oak Ridge High School. Registration will continue on Monday and Wednesday of next week from 1 p.m. to 4 p.m., and from 6:30 p.m. to 9 p.m.

The University of Tennessee Evening School is offering 32 different courses in its Oak Ridge classes to be held at the high school. The Knoxville schedule for the UT Evening School offers 75 credit courses and six non-credit courses.

Registration in this school in Oak Ridge will open on Monday, March 21, at the high school from 6 p.m. to 9 p.m. Enrollment will close Monday, March 28. Classes are scheduled to begin Tuesday, March 22.

Registration for the UT Oak Ridge Resident Graduate Program will be held Monday, March 21, at the Oak Ridge Institute of Nuclear Studies building on Administration Road. These classes also will begin on Tuesday, March 22, with 15 courses available.

Polyethylene Film Revolutionizes Packaging Of Newspapers; New York Times Adoption Of Shipping Method Is Highly Praised

Automatic Machinery Is Used In Process

A revolution in the packaging of newspapers for mailing may have been started recently by the venerable New York Times.

Each Sunday edition bound for subscribers in California, Washington and Illinois leaves Times Tower packaged in bags of transparent polyethylene film.

To Convert Mail Room

Sealing and labeling of the papers is accomplished by especially-designed, automatic machinery, the first time such devices have ever entered a newspaper mailing room. Eventually, The Times expects all of its 80,000 Sunday mail subscriptions to be similarly wrapped, and its mailing room to be completely automated.

Nat Goldstein, circulation director, called the new procedure "the first really important innovation in newspaper mailing in more than 50 years."

The idea for using such bags was conceived by a Times mailing room foreman as he watched steaks being wrapped in the tough polyethylene at a supermarket meat counter.

Search Lasted Several Months

The search for a machine to automatically seal and label the newspapers took several months and finally led Times circulation officials to the AMA National Packaging Exposition in New York's Coliseum. There they observed a unit bagging linen sheets which approximate The Sunday Times in weight, shape and consistency.

The Times then purchased a unit that would automatically seal, trim and thermoplastically label the containers as they moved along a 40-foot conveyor belt.

The Times also obtained two semi-automatic baggers. Each bagger holds about 200 bags. The bags, 14 inch by 19½ inch, are opened automatically and the newspapers inserted by hand, after which the package is pushed onto the conveyor belt for heat sealing and labeling.

Subscribers Enthusiastic

Subscriber response has been instant and enthusiastic: "Simply wonderful!" "The new wrapper is wonderful!" "An excellent improvement" were some of the remarks made in letters to the publisher. So tough are the bags that they can be hurled about in post office sorting rooms without bursting or tearing. Copies arrive intact, unsoiled, without dogears and folded flat for easy reading.

No less enthusiastic were the California mail carriers who reported that the new wrapping and labeling made the papers infinitely easier to sort, stack and carry. In a letter to The Times, Ted Healy, president of Angel City Branch No. 24, National Association of Letter Carriers, concluded: "Yes, gentlemen, we thank you from the bottom of our mail bags."

'Eye Safety Roulette' Is Unpopular In Y-12

Continued from Page 1

numbered 297. Of these a great majority of 231 were first aid cases—but 66 were listed as serious and requiring treatment by a doctor, but no loss of time from work.

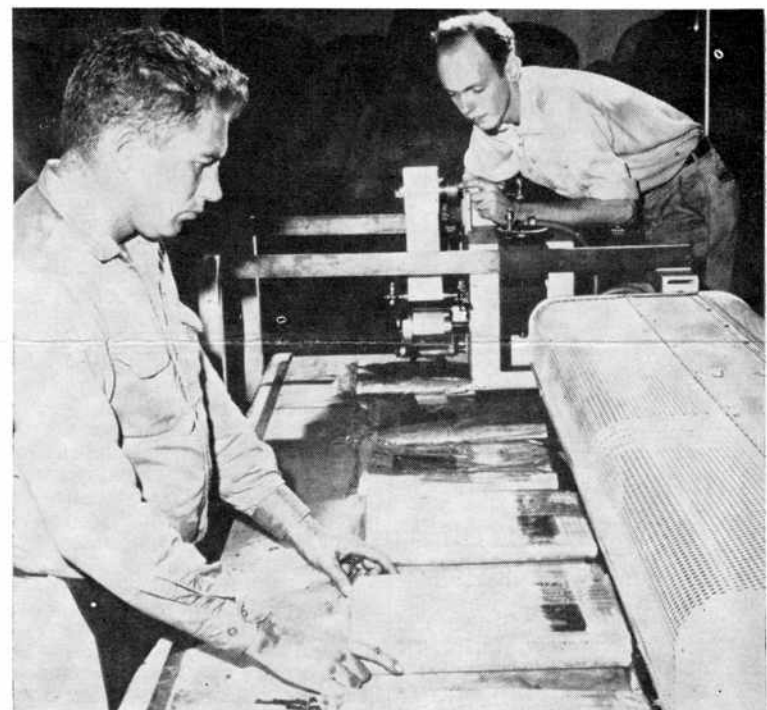
Much could be written about the pain and expense of eye injuries of any kind. However, being alert to hazards—and properly using the safety eye equipment provided—the dangers from flying chips, splashing chemicals and cleaning fluids, pieces of broken grinding wheels and harmful light rays from welding operations, has marked the working habits of Y-12ers.

So—the croupier in "Eye Safety Roulette" finds the pickings slim around the Y-12 Plant.

About the best method of climbing higher is to stay on the level.



FRESH OFF THE PRESSES, copies of The New York Times Sunday edition are inserted in mailing bags of transparent polyethylene film. Semi-automatic bagging machines facilitate insertion by opening bags with air blast, after which mechanical arms spread bag's mouth.



PASSING DOWN CONVEYOR BELT in mailing room, bagged newspapers go through automatic heat sealing process. Device at far end of conveyor is labeling machine.

Rides Wanted, Offered

Ride wanted from Harriman to North or Central Portal, straight day. Lena Ruth Bailey, plant phone 7-8861, home phone Harriman 2645-J.

Ride wanted from corner Woodbine Ave. and Mary St., Knoxville, to Central Portal, straight day. J. E. Bennett, plant phone 7-8835, home phone Knoxville 5-0905.

Want to join car pool from LaFollette to any portal, G Shift. L. C. Burnette, plant phone 7-8209, home phone LaFollette 2108.

Rider wanted from Clinton to East Portal, straight day. J. C. Queener, plant phone 7304, home phone Clinton 1562.

Want to join car pool from Highland View vicinity, Oak Ridge, to West Portal, D Shift. J. H. Nicholson, plant phone 7028, home phone Oak Ridge 5-5304.

Ride wanted or will join car pool from Farragut - Concord section to Central Portal, H Shift. Ralph Reed, plant phone 7573, home phone Knoxville WO 6-2021.

Ride wanted from 4816 Lonas Road, West Knoxville, to Central Portal, J Shift. Charles Gaylor, plant phone 7409, home phone Knoxville 8-5978.

Ride wanted or will join car pool

Harriman Golf Meet Set Thursday

That organizational meeting for a golf league for Union Carbide Nuclear Company players to play at the Harriman Country Club, called off last week because of bad weather, has been reset for Thursday night of this week, March 17. The meeting will be at 7:30 o'clock at the Hut Cafeteria, 130 North Kentucky Ave., Kingston.

Carbide golfers from Harriman, Rockwood, Kingston and nearby points wanting to play in a Harriman league are urged to attend this session.

CABLES CURVE

Undersea cables are not laid in a straight line. Cable routes are carefully plotted in advance so that they may be laid in areas not affected by the effects of seaquakes, hurricanes or possible damage from shipping.

from vicinity West High School, Knoxville, to North Portal, straight day. Dot Blankenship, plant phone 7518, home phone Knoxville 8-6715.

Car pool member wanted from Pleasant Ridge Park, Knox County, to Biology, North or East Portal, straight day. James Farmer, plant phone 7087, home phone Knoxville 3-5557.